



CITY OF LOWELL, MASSACHUSETTS
BOARD OF HEALTH

*accepted
3.6.19 BOH
meeting*

FEBRUARY 6, 2019

A meeting of the Lowell Board of Health was held on Wednesday, February 6, 2019 in the Mayor's Reception Room, City Hall, 375 Merrimack St., Lowell, MA 01852. Chairwoman Jo-Ann Keegan called the meeting to order at 6:04 PM.

Present:

Jo-Ann Keegan, RN, MSN, Chairperson
William Galvin, MD, Board Member
Lisa Golden, RN, MSN, Board Member
Kathleen Cullen-Lutter, RN, CNM, Board Member
Kerran Vigroux, HHS Director
Shawn Machado, Sr. Sanitary Code Director

2/6/2019 - Minutes

1. New Business

1.I. For Acceptance: Minutes Of The January 9, 2019 Meeting Of The Board Of Health.

Motion: To accept the minutes of the January 9, 2019 Meeting of the Board of Health made by Lisa Golden, seconded by William Galvin. All in favor.

1. II. For Review: Tobacco Control Monthly Report Submitted By Cesar Pungirum, Program Director.

The Board had no questions. Accepted and placed on file. Chairwoman Jo-Ann Keegan suggested that the article in the report on "How to Talk to Your Kids about Vaping" be shared with the School Nursing staff. Health & Human Services Director Kerran Vigroux will speak to Mr. Pungirum about doing that. Board Member William Galvin requested the Board be given a copy of the final product.

1. III. Monthly Development Services Report Submitted By Senior Sanitary Code Inspector Shawn Machado.

Motion: To take Agenda Articles 1.IV and 1.V out of order made by Lisa Golden, seconded by William Galvin. All in favor.

Upon return to order, Sr. Sanitary Code Inspector Shawn Machado reviewed the Monthly Development Services Report with the Board. The Board accepted the report and placed on file.

1. IV. Update: Lowell Public School Repairs.

Mr. Paul Georges, President, United Teachers of Lowell, gave the Board an updated list of Needed Repairs per Teacher Reports by School to be placed on the March 6, 2019 agenda.

Chairwoman Jo-Ann Keegan verbally reviewed for the members of the public present, the report on School Maintenance and Repair Updates by Christine Clancy, P.E., City Engineer to City Manager Eileen Donoghue and submitted to the Board by City Manager Donoghue. Board Member Galvin inquired on the time frame on repairs to the various school boilers and roofs and if the funding is included in the City's fiscal 2019 budget. City Manager Donoghue was present and addressed the question, noting that the City is aggressively applying for nine MSBA projects. Board Member Galvin inquired if the second boilers in the schools were there for redundancy. City Engineer Christine Clancy confirmed that fact.

A number of members of the public were present to speak to the Board.

Ms. Faith Salvas-Fregeau of Fulton St., Lowell, addressed the Board regarding her concerns for conditions at Lowell High School, noting the rodent issues and the leaking roof. Chairwoman Keegan noted the ongoing rodent control plans in place. Sr. Sanitary Code Inspector Shawn Machado also noted the frequency of inspections by the contractor Banner Pest Control and the improvement that has been made. Mr. Richard Kelly, owner of Banner Pest Control addressed the Board regarding ongoing pest control efforts and working with the school staff. City Manager Eileen Donoghue spoke regarding the roof repairs.

Christine Schultz, United Teachers of Lowell, addressed the Board regarding her concerns and what the Board's position was on the occupancy of the school buildings. Chairwoman Keegan responded that the Board's role is working with the owners of establishments with violations to have them corrected as soon as possible. City Manager Donoghue noted the efforts of the City to make needed repairs and Mr. Rick Underwood, LPS Facilities Manager spoke regarding ongoing maintenance efforts by his staff.

Various citizens also addressed the Board regarding their concerns. Chairwoman Keegan addressed the attendees regarding the Board's efforts to work with the City about repairs. Mr. Georges addressed the Board and noted their responsiveness. Mr. Georges also spoke about his contacting the Massachusetts Department of Labor Standards which came into several schools and will be issuing a report. Manager Donoghue spoke regarding the City's concerns and efforts to assure the attendees that the City is working on repairs and funding. Manager Donoghue also expressed her appreciation of the attendees support and being on the same page.

Ms. Laura Ortiz, Lawrence St. Lowell MA, had questions for the Board regarding the Sanitary Code/Health Inspectors. Chairwoman Keegan addressed her questions regarding the Inspectors being at the High School and the State's Air Quality Control report and retesting.

Mr. Georges addressed the Board regarding his concerns for if a school needs to be shut down for safety or heating issues. Director Kerran Vigroux spoke about how issues should be reported to Development Services where the Inspectors are located. Mr. Underwood informed the Board that the bus company has been contacted regarding busing in the case of an emergency where students need to be relocated.

Board Member Galvin inquired about the plans if the funding from MSDA is received or not received. Manager Donoghue indicated it would be looked at dependent on what funding is approved.

Motion: to return to agenda item 1.III made by Lisa Golden, seconded by Kathleen Cullen-Lutter. All in favor.

1. V. For Review: School List of Items to Repair Submitted By Paul Georges, President, United Teachers of Lowell.

Item was reviewed with agenda item 1.IV.

1. VI. For Review: Body Art Apprentice License - New.

Body Art Apprentice License Application

Jeffrey Riel, 745 Westford St., Lowell, MA 01851 Blaqsheep Ink 564 Dutton St. Julio Pastrana

The Board reviewed the submitted application and noted additional Hepatitis B vaccinations are needed. Mr. Riel informed the Board that he is already scheduled to receive the next dose.

Motion: To approve the application once Mr. Riel complies with the stipulation that the results of a Hep B titer is positive or if a third shot is needed, it is completed made by William Galvin, seconded by Lisa Golden. All in favor.

Motion: To take agenda items 1.VIII and 2.1 out of order made by William Galvin, seconded by Lisa Golden. All in favor.

1. VII. Discussion: Medical Consultant Contract - Dr. Peter Connolly, MD.

Upon return to the regular agenda, the Board discussed the contract with Medical Consultant Dr. Peter Connolly, MD.

Ms. Vigroux recommends renewal of Dr. Connolly's contract and to not change the amount of the Contract. Additionally, Ms. Vigroux suggested a change to the section of the contract pertaining to invoicing.

Motion: To approve the renewal of Dr. Connolly's contract made by William Galvin, seconded by Kathleen Cullen-Lutter. All in favor.

1. VIII. For Review: Trinity EMS, Inc Reports.

Review of Trinity EMS, Inc. Monthly Opioid reports and Quarterly report.

Mr. Jon Kelley reviewed the reports with the Board. Chairwoman Keegan noted the TEMS Dispatch Error figures. Member Galvin noted the increase in the number of calls with Trinity EMS maintaining the response time of less than eight minutes, as well as the need to maintain the number of trucks to support the increase in the number of calls.

Mr. Kelley noted that the January monthly opioid report has the lowest numbers in quite a while.

The submitted Special Opioid Report was discussed and the number of "repeat" clients who overdose.

2. Old Business

2. I. Discussion: Ambulance Contract.

Chairwoman Keegan informed the Board that she has spoken to City Manager Donoghue who will direct the Law Department to guide the Board on the next steps. Member Galvin would recommend continuing the contract with Trinity and noted possible changes as well as integrating the addendums into the new contract.

Items noted by Member Galvin were:

Section 2 number 12: Should the section regarding the right to inspect include any subcontractors Trinity may have. Chairwoman Keegan asked if there would be a legal assumption that subcontractors would be included.

Section 5 number 4: Should the Board add the opioid crisis reports.

Section 7 number 1: Is the worker's compensation figure still appropriate.

Section 7 number 3: Is the amount of the bond still appropriate.

Dispatch Fee Schedule: Is the percentage going forward an appropriate amount to cover the Dispatch Center appropriate costs.

Trinity/Lowell General agreement Letter N: Is the amount still current or does it need to be updated. The Board asked that Trinity EMS forward an updated copy of the agreement.

Shawn Dean, Chief Paramedic, Greater Lowell Paramedics-LGH spoke of behalf of Amy Hoey, COO, LGH asking that the language in the Trinity EMS/LGH remain the same.

Motion: To recommend to the City Manager the renewal of the Trinity EMS contract with the noted changes made by William Galvin, seconded by Kathleen Cullen-Lutter. All in favor.

Motion: To return to agenda item 1.VII made by Lisa Golden, seconded by William Galvin. All in favor.

2. II. Update: Service Zone Plan.

Update on the Status of the Service Zone Plan.

Ms. Vigroux updated the Board on the ongoing efforts with the Service Zone Plan and is working with Public Health Nurse Manager Colleen da Silva regarding changes requested by the State.

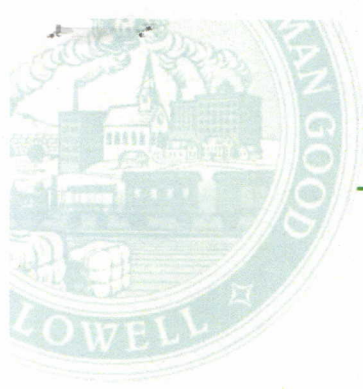
3. Director's Report

3. I. Update: Divisional and Department Reports and Updates.

Ms. Vigroux updated the Board on two new employees at the Health Department. Lauren Keisling has been hired as the Outreach Health Educator on the PFS Grant and Andres Gonzalez will be starting next week as the Syringe Collection Program Coordinator. Additionally, two school nurses positions have had offer letters sent out, two Substitute Nurses are being hired and interviews for a Public Health Nurse- Clinics are being held. Chairwoman Keegan noted that the School Nurse division has reached 100% vaccination compliance of non-exempt students and wanted to acknowledge their hard work.

Motion: To adjourn at 8:16 PM made by William Galvin, seconded by Lisa Golden. All in favor.

THE NEXT MEETING OF THE LOWELL BOARD OF HEALTH WILL BE HELD ON
MARCH 6, 2019 AT 6:00 PM IN THE MAYOR'S RECEPTION ROOM.



BOH HANDOUT
2.6.19

Christine Clancy, P.E., *City Engineer*

TO: Eileen Donoghue, City Manager
FROM: Christine Clancy, P.E., City Engineer
DATE: February 5, 2019
RE: School Maintenance and Repair Updates

DPW-Lands and Building Division in coordination with the School Department has reviewed the list of school maintenance requests and complaints reported at the January Board of Health meeting. Below please find an update to the repairs that were recently made or continue to be evaluated for each of the schools. The list of repairs primarily focuses on heating, roof, and rodent control requests. Both DPW-Lands and Buildings and the School Department have been working internally and externally with contractor and consultants as needed to repair the aged school infrastructure, of which much of it is a result of years of deferred maintenance. The attached list includes the original age of each of the 27 schools. The average age of HVAC systems and roofs throughout the 27 schools is approximately 25 years. The useful life expectancy for HVAC systems are approximately 15- 20 years for HVAC systems and 20-25 years for roofs. Frequent maintenance and repairs are required as a result of the aged infrastructure. Within the last five years, boilers have been replaced at five schools. The City is pursuing replacement of boilers and roofs through an accelerated MSBA program in 9 schools throughout the City. This is an opportunity for the City to receive outside reimbursement for 80% of boiler and roof replacements.

As we are currently in the heating season, both DPW and the School Department frequently monitor the HVAC systems and promptly respond to heating and/or leaking concerns. During forecasted cold weather, both DPW and the School Department provide 24/7 coverage of the heating systems throughout the City. Another critical component of the City's HVAC systems is a remote notification system that alerts the appropriate personnel when a boiler is not operational. This program, provided by Stellar, was recently upgraded with the necessary software updates so that the appropriate personnel receive a notification by cell when an alarm is triggered.

The City continues to assess the open work orders and respond to emergencies required to provide maintenance to the school facilities. There are both budgetary and resource constraints that we face as a City. With the assistance of the MSBA Accelerated Replacement Program and other facility reports such as a recently completed EMG report, which provides maintenance and repair recommendations, the City aims towards improving our aged school infrastructure.

Cc: Ralph Snow, DPW Commissioner
Kara Keefe Mullin, Assistant City Manager
James Green, Director of Lands and Buildings
Jeannine Durkin, Acting Superintendent of Lowell Schools

<u>School</u>	<u>Grade</u>	<u>Age of Building</u>	<u>Maintenance and Repair Update (2/4/19)</u>
Bailey	PreK-4	1877	(1) Temporary Bypass Valve on compressor removed week of 1/7 to improve distribution of air/temperatures in classroom. (2) DPW will have contractor service second boiler. Primary boiler is functional. (3) Roof replacement proposed in 2019 MSBA Accelerated Replacement Program.
Bartlett	PreK-8	1951	(1) Mice issues have been addressed. No current pest control issues. (2) Boiler recently serviced. 2 boilers require maintenance and servicing.
Butler	5-8	1994	(1) Thermostats installed to improve distribution of air/temperatures in classrooms in early January. (2) Frozen AC coil in penthouse caused leak on 1/21. Leak repaired and ceiling tiles and walls replaced.
Cardinal O'Connell	Pre-K	1880	(1) Report of no heat on 1/7. Boiler failed morning of 1/7 and was restarted in the AM. Rooms took approximately a couple of hours to reach room temperature.
Daley	5-8	1956	(1) Boiler repaired in December. 2nd boiler requires maintenance by outside contractor. (2) Fan switches for air blowers require maintenance. Manual switch of fans by custodians required until fan switches repaired. Air compressor requires maintenance. (3) Leak from coil in teacher's room repaired week of 1/26. (4) Roof and boiler replacements proposed in 2019 MSBA Accelerated Replacement Program.
Greenhalge	PreK-4	1994	(1) Report of no heat in building on 12/10 and 12/11. Boiler failed morning of 12/10 and 12/11 and restarted in the AM. Room took approximately a couple of hours to reach room temperature. (2) Replaced fan motors in multiple classrooms in December. (3) 2 boilers serviced by outside contractor. 2nd boiler requires additional maintenance by contractor. (4) On 1/14, Frozen AC coil caused leak in 3rd floor classroom, leaking to second floor classrooms and first floor classrooms and cafeteria. The leak was repaired and ceiling tiles and walls repaired and replaced. Rugs are being professionally cleaned. City Building Commissioner and Health Inspector reviewed damaged areas before repairs made. School was canceled on 1/14 so that repairs could be made. (5) Week of 1/21, frozen water spigot caused leak. Repair made same day as leak discovered. Minimal damage from leak. (6) Roof and boiler replacements proposed in 2019 MSBA Accelerated Replacement Program.
Laura Lee	K-8	1890	No heating issues.
Leblanc	7-12	1935	(1) Boiler failed in early January. Loose wiring was repaired to resolve the boiler failure. No current heating issues.
Lincoln	PreK-4	1994	(1) DPW has been in classrooms repairing valves to improve distribution of air/temperatures. (2) DPW repaired boilers but additional boiler servicing required. Outside contractor will service boiler. (3) Roof replacement proposed on 2019 MSBA Accelerated Replacement Program.
Lowell High School	10-12	1894 (Coburn Hall), 1980, 1922	(1) HVAC system in Fieldhouse and Fieldhouse basement, Coburn Hall, Freshman Academy, and 1922 Building in FY 18 and FY 19 - \$840,000 in upgrades (2) Contractor (Boston Mechanical) provided preliminary assessment to City. Majority of rooms within 1922 building require air tubing and thermostats to be able to improve air/temperature distribution. City is evaluating next steps to bid/procure this work. (3) Contractor (Trane) made repairs to roof top units in the 1980 building on 2017/2018. These roof top units supply heat/AC to 1980 building. 4 units were not working in Fall 2018. 2 were repaired. 2 units that service the LHS library, TV studio, and a computer lab remain to be repaired. City is evaluating next steps to procure this work. (4) Kendall Boiler repaired second boiler in Steam Plant that services the 1922 building and Freshman Academy. 2nd boiler was brought online week of 1/21. Steam plant has two operational boilers. (5) Condensation Tank in Steam Plant will require replacement. It is currently operational. City is evaluating next steps to bid/procure this work. (6) Baseboards are being installed week of 2/4 in basement of LHS to provide additional heat to area. (7) DPW completed work in Chorus Room (1922 building) and Little Theatre (1980 building) to adjust heat issues. Adjustments continue to be made to the Little Theatre. AC compressors in the Little Theatre will be replaced in Spring 2019. (8) Roof replacement of 1922 building is underway. Next team meeting is 2/15 to discuss when work will start to mobilize. Submittals are underway and materials are being procured. DPW has been on roof to make leak repairs this Winter.
Lowell High McDonough Freshman Academy	9	1936	(1) Leak found and repaired in first floor hallway of Freshman Academy on 2/1. School was temporarily relocated to LHS while heat was turned off to make the repair. Damage was isolated to a small section within a hallway. Ceiling tiles have been replaced. Walls will be repaired. (2) DPW continues to provide maintenance to classrooms to tweak air/temperature. Boston Mechanical is completing assessment of Freshman Academy to evaluate air/temperature control within each of the classrooms. (3) Roof and window replacements are proposed as part of the 2019 MSBA Accelerated Replacement Program.

<u>School</u>	<u>Grade</u>	<u>Age of Building</u>	<u>Maintenance and Repair Update (2/4/19)</u>
McAuliffe	PreK-4	1993	(1) 2 classrooms with heating issues were resolved by DPW in early January. (2) 2nd boiler requires repair by outside contractor. (3) DPW repaired several holes in roof week of 1/26. (4) Roof and boiler replacements are proposed as part of the 2019 MSBA Accelerated Replacement Program.
McAvinnue	PreK-4	1994	(1) Classrooms with heating issues repaired in December and early January. No current heating issues. (2) Motor on order to repair 2nd boiler.
McHugh	5-6	1900	No current heating issues.
Moody	K-4	1888	2nd boiler is operational but currently turned off. 1st boiler is operational and working. No current heating issues.
Morey	PreK-4	1882	(1) DPW has made several visits to address heating issues in various areas throughout school. Heating control system requires evaluation. Until evaluation is made and upgrades installed, heating system requires manual tweaks to optimize air/temperature control throughout classrooms. (2) Report of glycol staining boiler room. Glycol stained concrete floor adjacent to boiler. (3) Repair being made to the 2nd boiler. 1st boiler is operational.
Murkland	PreK-4	1993	(1) Heating concerns addressed early January. (2) 2 classroom fan motors were repaired in early January.
Pawtucketville Memorial	PreK-4	1965	(1) Heating concerns from mid-December have been addressed. (2) 2nd boiler requires repair. 1st boiler is operational. (3) Broken heating coil requires repair. Leak from December 2018 was isolated to a classroom and a boiler and promptly addressed. (4) Roof replacement is proposed as part of the 2019 MSBA Accelerated Replacement Program. (5) No current mice issues.
PyneArts	PreK-8	1965	(1) 2nd boiler has a cracked section that requires repair by an outside contractor. Will consider boiler replacement in future MSBA Accelerated Replacement Program.
Reilly	K-4	1959	(1) Heating coil repaired in Vice Principal's office in early January. No current heating issues.
Robinson	5-8	1969	(1) DPW has been in classrooms providing continual maintenance to improve air/temperatures in the classroom. Continual maintenance is required. (2) 2nd boiler requires servicing by outside contractor.
Rogers	K-7	1963	(1) 2nd boiler requires servicing by outside contractor. (2) Roof repaired week of 1/21. Roof replacement is proposed as part of the 2019 MSBA Accelerated Replacement Program.
Shaughnessy	PreK-4	1957	No current heating issues.
Stoklosa	5-8	2005	(1) DPW has been in classrooms providing continual maintenance to improve air/temperatures in the classroom. Continual maintenance is required. A motor requires replacement in one classroom. (2) Motor for 2nd boiler is being repaired.
Sullivan	5-8	1992	(1) 2nd boiler requires servicing by outside contractor. (2) Thermostats installed in some classrooms. (3) Roof and boiler replacement are proposed as part of the 2019 MSBA Accelerated Replacement Program.
Wang	5-8	1992	(1) 2 classroom fan motors and thermostat replaced in early January to address heating issues.
Washington	PreK-4	1905	(1) Kendall Boiler repaired 2nd boiler. Both boilers are operational.

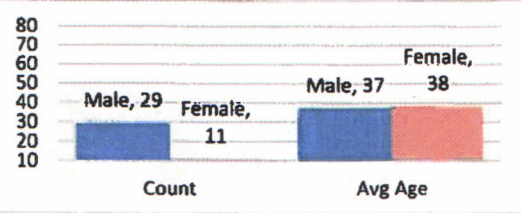
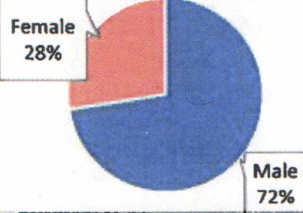
BOH 2-6-19 Handout



Categorized Opiate Report: Jan-19 Lowell, MA

Priority of patient

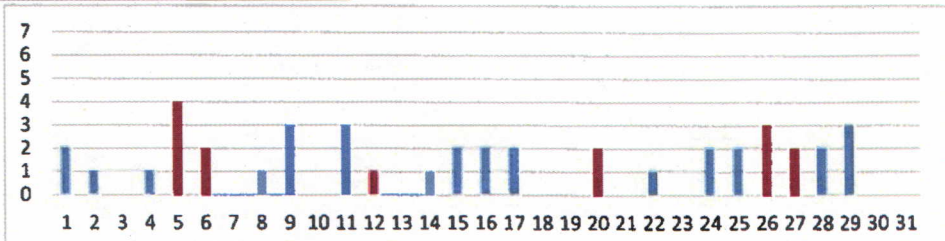
Priority 1 23
Priority 2 8
Priority 3 11



Age
12 and U (C)
13-15 (C)
16-17 (C)
18-21 (1)

Day of the week	#	Avg
Mon	3	0.8
Tue	9	1.8
Wed	6	1.2
Thu	4	0.8
Fri	6	1.5
Sat	8	2.0
Sun	6	1.5

Day of the month: Red are weekends (below)



22 1
23 (C)
24 1
25 2
26 4
27 1
28 3
29 3

Hour of the day:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	2	0	0	0	1	0	0	1	1	1	2	5	4	3	1	3	0	3	2	0	4	4	3	2

30 (C)
31 1

Location of patient	#	Narcan used by:	Narcan doses
Private Residence	16	Lowell FD 9 Lowell PD 2	2mg - 6
Public Location- Inside	8	Trinity ALS 0 Trinity BLS 6	4mg - 9
Public Location- Outside	17	LGH ALS 2 Other 8	6mg - 1
Residential Institution	1	Park Ranger 0	8mg - 5

32 2
33 1
34 (C)
35 (C)
36 (C)

Neighborhood	Acre - 8	Back Central - 4	Centralville - 5	Downtown - 14	Highlands - 4
Lwr Belv - 2	Lwr Hghlnds - 3	Sacred Heart - 2			

37 2
38 2

Home town of pt	Billerica - 4, Dorchester - 1, Dracut - 3, Haverhill - 1, Lawrence - 2, Lowell - 24, North Billerica - 1, Tewksbury - 2, Woburn - 1, Unknown - 3
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39 1
40 (C)

Last 12 months All ORI calls												
	18-Feb	18-Mar	18-Apr	18-May	18-Jun	18-Jul	18-Aug	18-Sep	18-Oct	18-Nov	18-Dec	19-Jan
Total	67	66	56	59	68	99	67	70	75	69	59	42
Avg	2.4	2.1	1.9	1.9	2.3	3.2	2.2	2.3	2.4	2.3	1.9	1.4

41 1
42 (C)
43 (C)
44 2

Last 12 months Priority 1 only												
	18-Feb	18-Mar	18-Apr	18-May	18-Jun	18-Jul	18-Aug	18-Sep	18-Oct	18-Nov	18-Dec	19-Jan
Total	37	44	30	34	38	51	26	42	47	46	32	23
Avg	1.3	1.4	1.0	1.1	1.3	1.6	0.8	1.4	1.5	1.5	1.0	0.7

45 (C)
46 (C)
47 1
48 3

ORI - daily average						Priority 1 only- daily average					
	Q1	Q2	Q3	Q4	Yr avg		Q1	Q2	Q3	Q4	Yr avg
2013	0.7	1.2	1.1	0.6	0.9	2013	0.3	0.4	0.5	0.2	0.3
2014	0.8	1.4	1.6	1.4	1.3	2014	0.3	0.6	0.8	0.9	0.7
2015	1.4	1.7	1.9	1.4	1.6	2015	0.8	0.7	0.9	0.8	0.8
2016	1.7	1.6	2.0	2.3	1.9	2016	1.0	1.0	0.9	1.3	1.0
2017	2.0	2.3	2.8	1.8	2.2	2017	1.2	1.4	1.6	1.0	1.3
2018	2.1	2.0	2.6	2.20	2.2	2018	1.2	1.1	1.3	1.4	1.3
2019	1.4					2019	0.7				

49 (C)
50 2
51-55 6
56-60 1
61-65 (C)
66-70 (C)
Unk 1



Overdose Report: 19-Jan

Lowell, MA

Overdoses: 86 or 2.8 per day

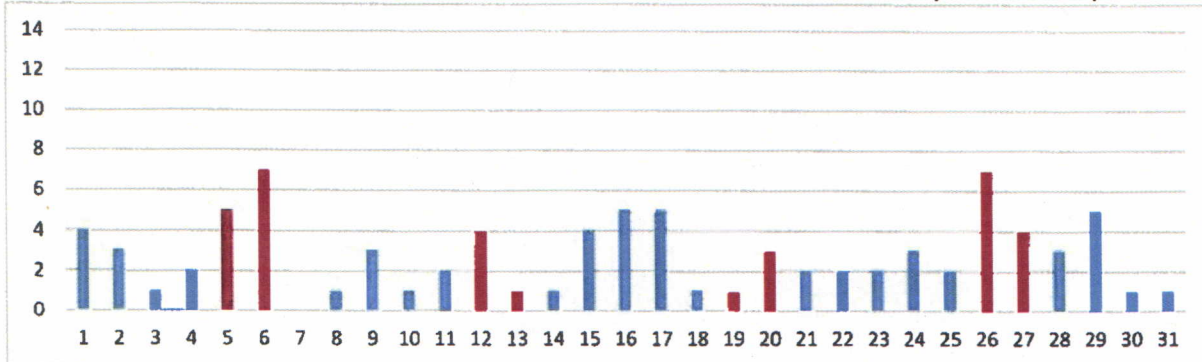
Day of the week:

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Count	6	16	14	11	7	17	15
Average	1.5	3.2	2.8	2.2	1.8	4.3	3.8

86

Day of the month:

Note: Red columns are Saturdays and Sundays



Hour of the day:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2	2	3	3	1	0	0	2	2	1	2	6	7	4	3	7	2	5	4	2	6	10	7	5

86

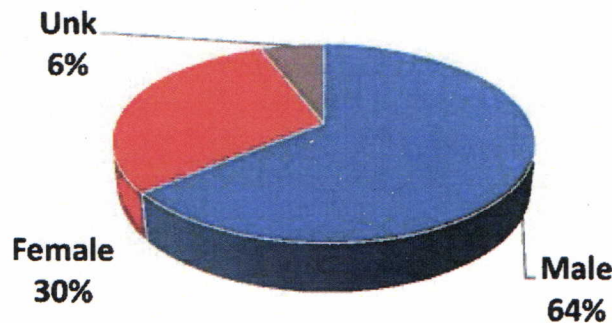
Section of the city:

Profile of patient

Neighborhood	Count
Acre	13
Back Central	10
Belvidere	0
Centralville	13
Downtown	20
Highlands	9
Lower Belvidere	4
Lower Highlands	9
Pawtucketville	3
Sacred Heart	4
South Lowell	1

86

Sex	Count	Avg Age	Range
Female	26	39	18-55
Male	55	37	2-63



Month	18-Feb	18-Mar	18-Apr	18-May	18-Jun	18-Jul	18-Aug	18-Sep	18-Oct	18-Nov	18-Dec	19-Jan
Total	149	101	126	139	148	211	141	160	161	140	125	86
Per	5.3	3	4.2	4.5	4.9	6.8	4.5	5.3	5.2	4.7	4.0	2.8

Age	#
12 and U	1
13-15	1
16-17	0
18-21	2
22	1
23	1
24	1
25	4
26	4
27	3
28	4
29	4
30	2
31	4
32	3
33	3
34	0
35	0
36	1
37	2
38	3
39	2
40	0
41	2
42	0
43	3
44	4
45	0
46	1
47	2
48	4
49	3
50	2
51-55	11
56-60	3
61-65	1
66-70	0
71 and up	0
Unk	4



The following data is from Trinity EMS electronic Patient Care Reports. This data is from calls in all 13 communities Trinity provides service for. Only data from Jan 2019 opioid related calls are included

Trinity EMS Inc provides EMS services for the following communities in MA: Boxford, Chelmsford, Dunstable, Groveland, Haverhill, Lowell, and Dracut. In NH: Atkinson, Danville, Hampstead, Newton, Plaistow, and Sandown.

Only opiate overdoses that Trinity EMS inc responded to are included. If someone from one of the communities listed above overdosed in another community not listed, it will not be represented in this data set.

System wide, Trinity treated 61 patients with an opioid related issue in Jan 2019.

Row Labels	Count of Date
LOWELL	25
HAVERHILL	11
(blank)	4
BILLERICA	4
DRACUT	3
TEWKSBURY	2
LAWRENCE	2
WAKEFIELD	1
NORTH	1
BILLERICA	1
MEDFORD	1
WOBURN	1
DORCHESTER	1
CHELMSFORD	1
BRADFORD	1
BIDDEFORD	1
ANDOVER	1
KEENE	1
Grand Total	61